

#### TRANSPORTATION CORPS











Chief of Transportation BG Gilbert S. Harper





# Strategic Transportation



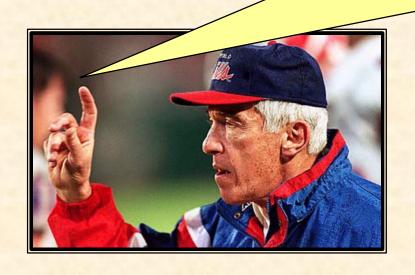




#### If you look at war as a sport....

"In 1939, Hitler had the best Army, the best equipment, the best organization and the whole country behind him. But in 1945, Berlin stood in ruins because Hitler could not win on the road."

—Marv Levy, former Head Coach, Buffalo Bills.



.... A power projection Army must be able to win on the road.

"A task without vision is drudgery.

A vision without a task is a dream.

A task with a vision is victory."

— Unknown



## AMERICA'S ARMY TRANSPORTATION CORPS STRATEGIC VISION



- The Transportation Corps will lead America's Army in the transition to an integrated, transportation-based global distribution system capable of efficient operations in peace and war. It will serve as a combat force multiplier by anticipating and fulfilling wartime theater support demands with unprecedented speed and flexibility.
- The Transportation Corps will lead in the development of force deployment, transportation-based distribution doctrine and integrated training. It will emphasize increased velocity through modernization, synchronization and adaptability in support of our force projection Army.
- The Transportation Corps will leverage emerging technologies and thrive on the digitized battlefield. It will provide movement control and direct delivery to deployed forces in a dynamically fluid, nonlinear battlefield in Force XXI and into the Army After Next.
- The Transportation Corps' soldiers and civilians will lead and perform multifunctional and joint logistics roles. Professional development will produce ethically, technically and tactically sound leaders.
- The Transportation Corps will lead the Department of Defense in deployment and power projection training and education. The Transportation Corps' soldiers and civilians will provide the professional transportation and distribution logistics expertise in Joint Commands and Defense Agencies.

GILBERT S. HARPER Brigadier General, U.S. Army Chief of Transportation

## THE TASK Dominant





## Army Deployment Comparisons

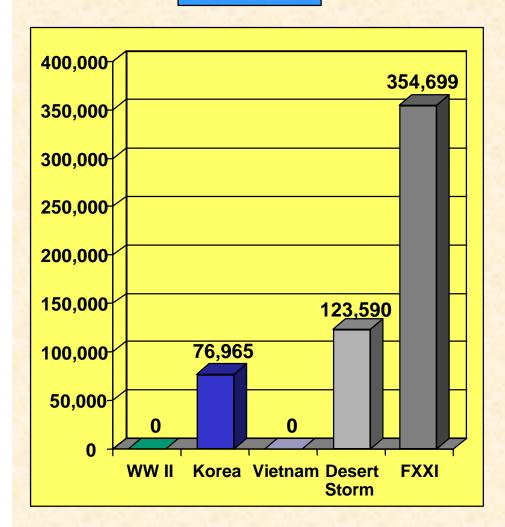
**Tons of Supplies & Equipment** 

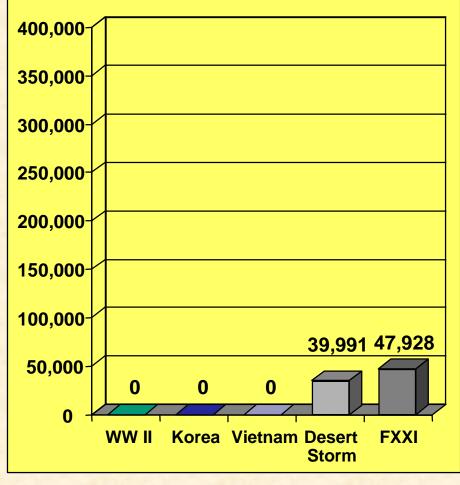


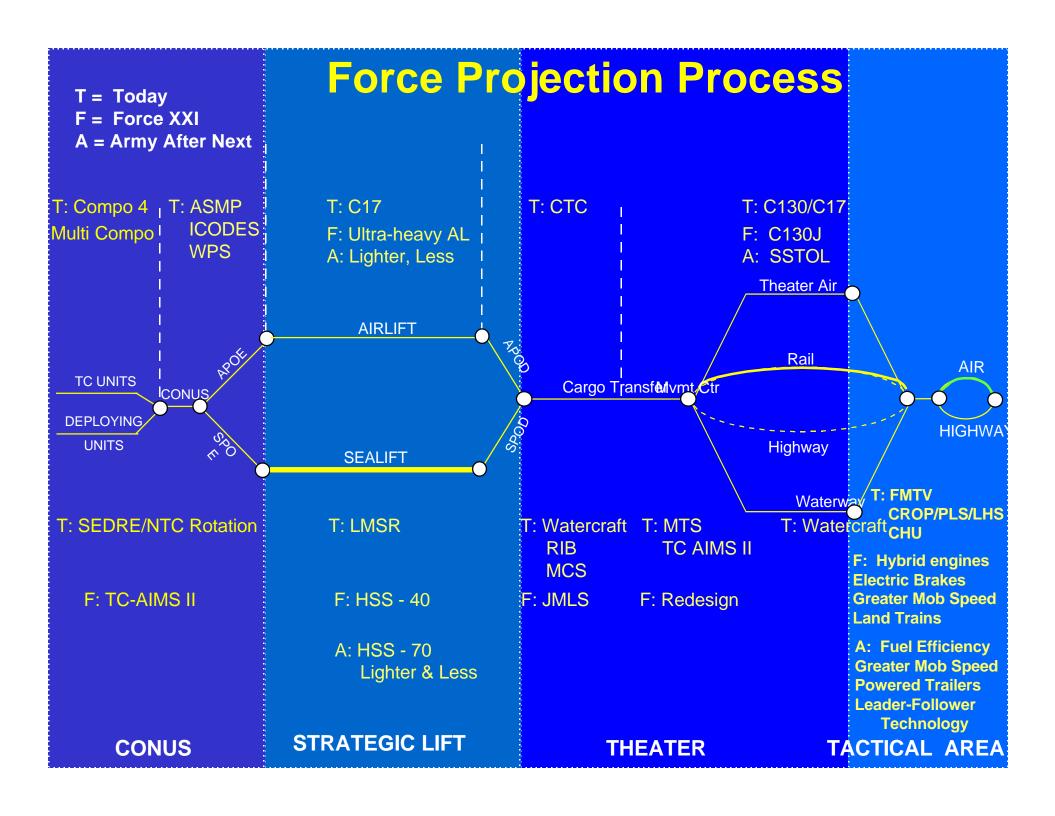
#### First 30 Days

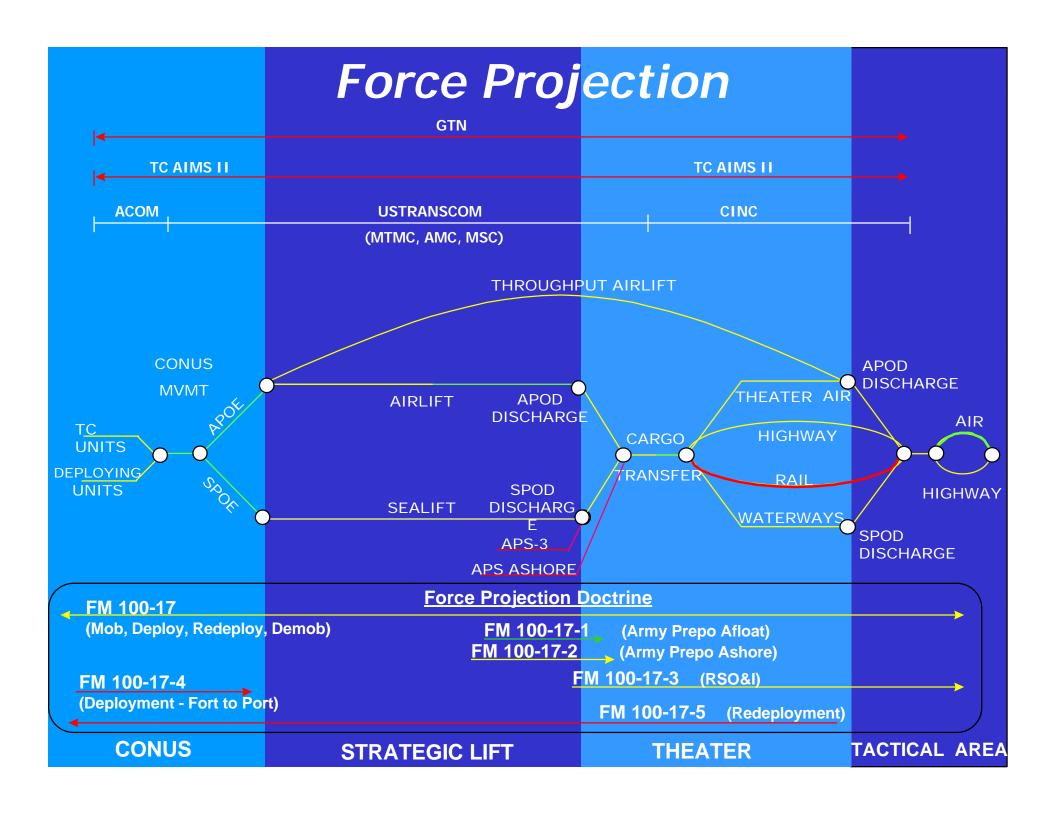
**SEALIFT** 

**AIRLIFT** 

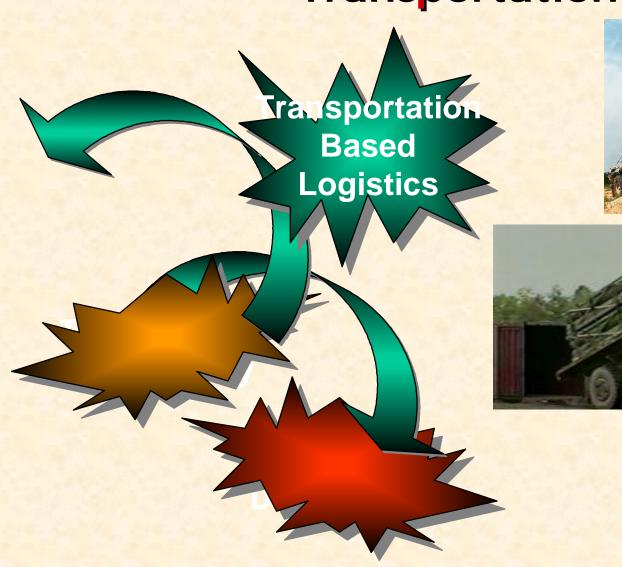








## Operational and Tactical Transportation









### The Future

"The Future ain't what it used to be"

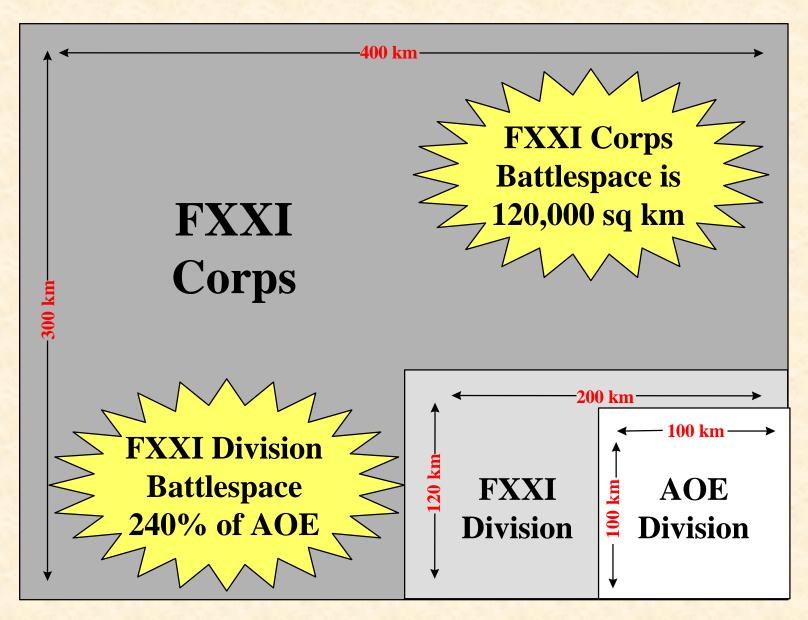
— Yogi Berra



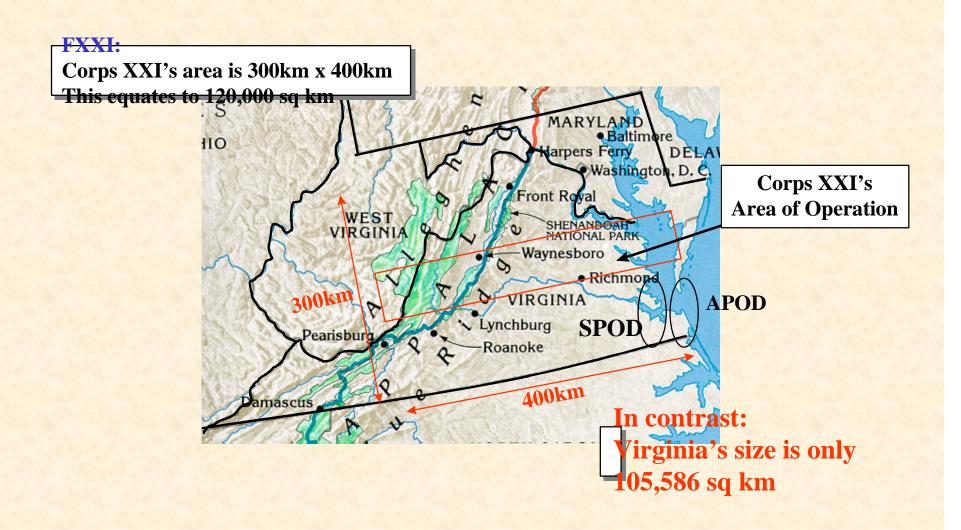
## **BATTLESPACE**

Force XXI

## The Expanding Battlefield

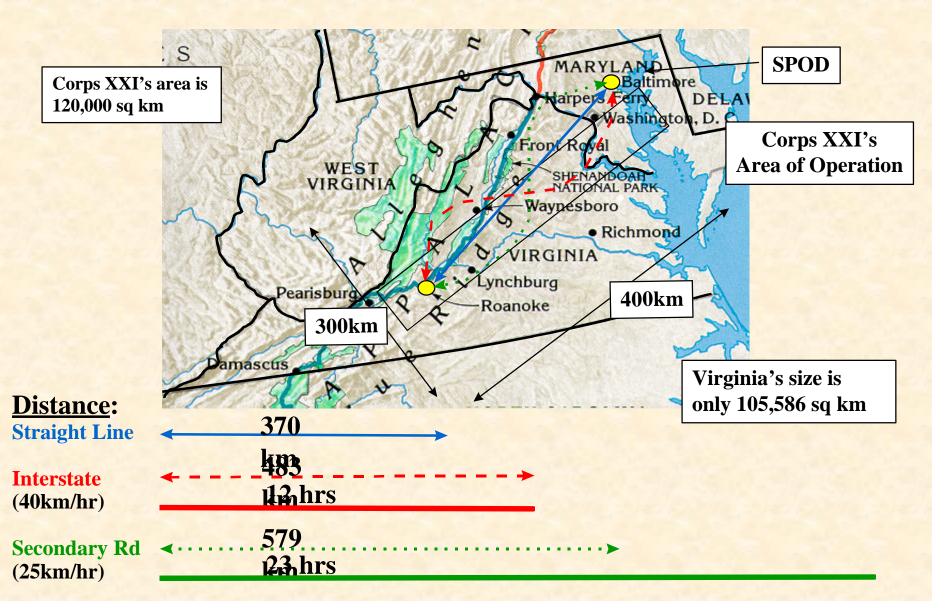


## Challenging The Laws of Physics



### Road Distance

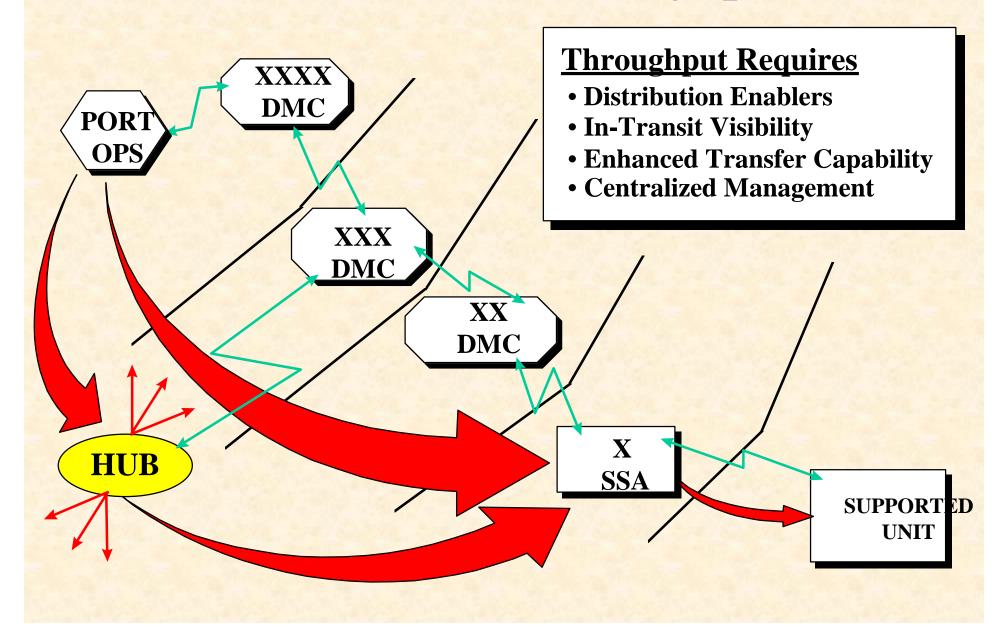
The Rest of the Story



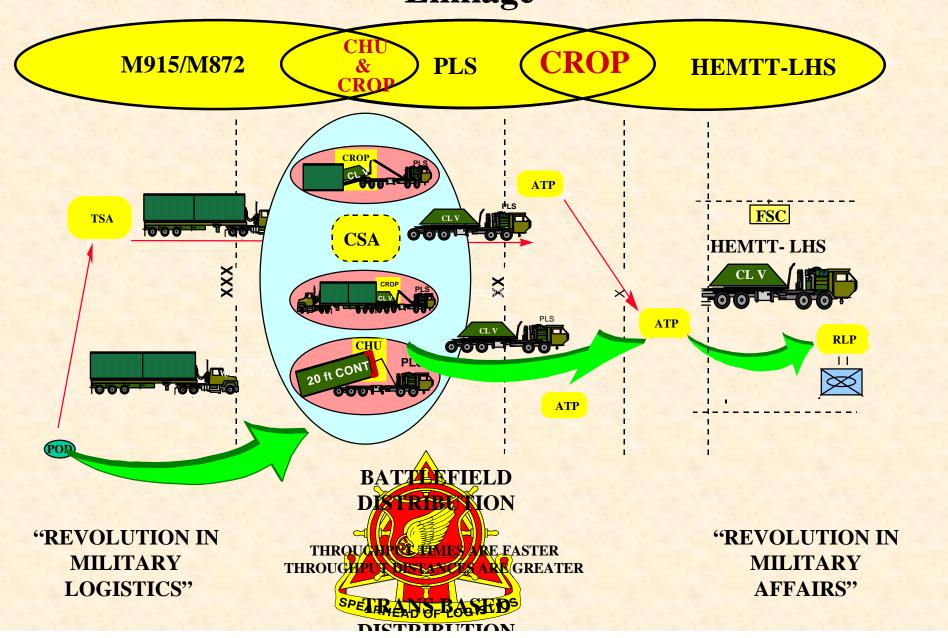
## TRANSPORTATION BASED LOGISTICS

Force XXI

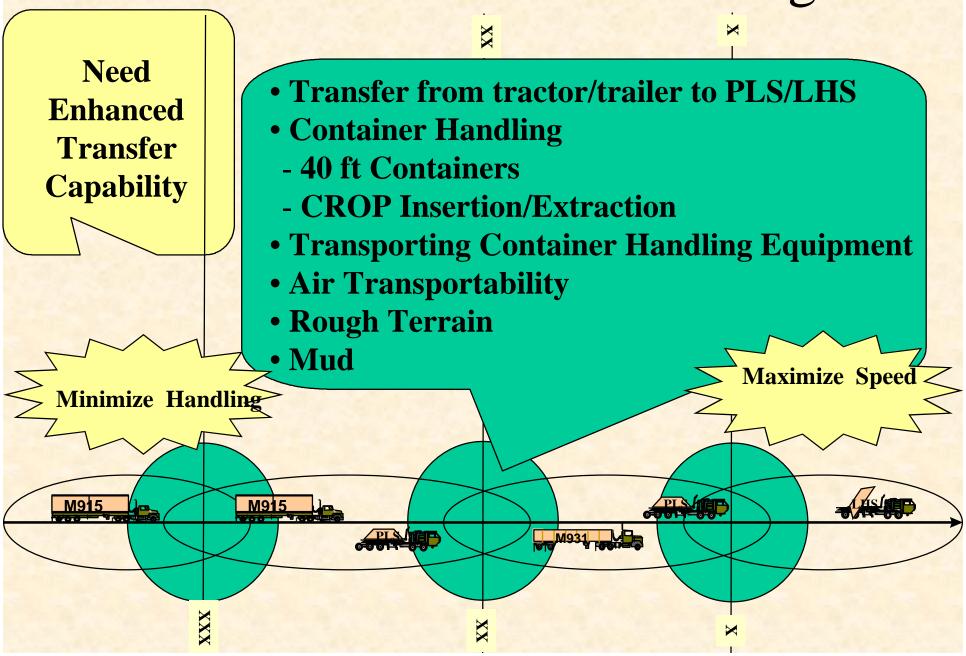
## Focused On Throughput



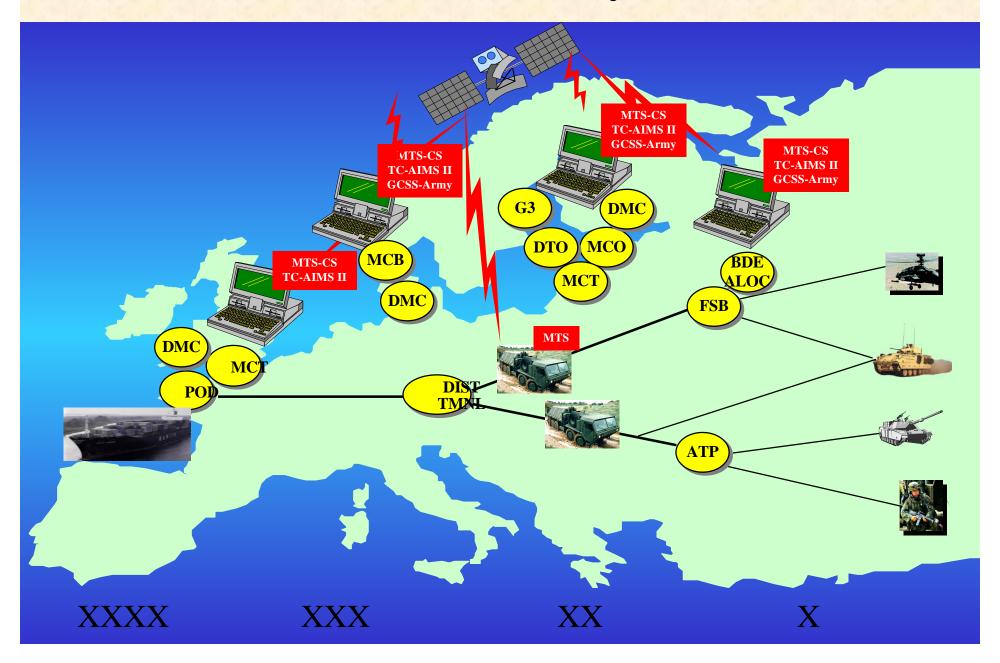
#### Battlefield Distribution Enablers Linkage

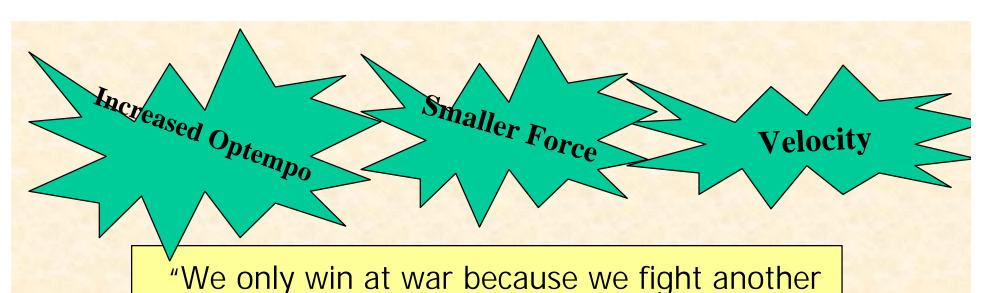


## Intermodal Transfer Challenges



## In-Transit Visibility





"We only win at war because we fight another government. If we fought private industry we would not last until noontime."

- R.I. Fitzhenry

#### We need industries help



## What Can Industry Do to Make our TWV's Better?

#### ► Increased Range

- Division battle space increased by 240%
- Need Larger fuel capacity
- More fuel efficient engines

#### ► Increased reliability

- Need reduced mechanical failures
- Improved sub-component reliability
- reduce the number of critical parts
- Combine/simplify subsystems to reduce failure modes

#### **►** Lightweight & Rugged

- Larger battle-space
- More dependence on air transport
- Must withstand effects of terrain

#### **►** Better maintainability

- 11% fewer Division personnel
- Limited number of vehicles no extras
- Improve diagnostics/prognostics
- Improve trouble-shooting methods
- Quick replacement parts and components
- Lube for life components

#### **▶** Better fuel economy

- Army Goal-50% reduction in fuel consumption
- More fuel efficient power plants

#### **►** Reduced O&S Cost

- Less Defense \$
- Better to buy beans and bullets than wiper blades
- Top O&S drivers for trucks batteries, tires, light bulbs, brake pads, and glow plugs.

#### **►** Increase Economic Useful Life

- Short \$ can't buy new as often.
- Modernization through spares
- Increased corrosion protection

#### **►** Modularity

- Same as maintainability
- Must replace forward, fix to the rear

#### Crew Protection

- Protect crew from injuries
- Improved vehicle survivability
- Lighter weight protection to increase payload



#### Transportation Summit 16-17 DEC 1998 TACOM

- Improve the communications between the Combat Developer and Materiel Developer.
- Achieve a stronger alliance with industry.
- Develop a team strategy to efficiently adopt commercial technology in the "Spiral Modernization" of our legacy fleets.
- Speak with one voice

"We must indeed all hang together, or, most assuredly, we shall all hang separately."

--Benjamin Franklin's reply in response to a John Hancock remark that the revolutionaries should be unanimous in their action; made at the signing of the Declaration of independence on July 4, 1776.

